OLDSMOBILE ACHIEVEMENTS

New Company in Full Swing on Hudson Avenue

The Oldsmobile Sales company of fices at 2331 Hudson avenue, are in full swing now, the opening last week! being of considerable interest to auto circles. Many visitors have visited the new place of business to give the "once over" to the new car. Speaking of the Oldsmobile, J. Scott Nelson, asles manager for the company, states that it is especially gratifying to know that the average automobile buyer has his interest focused on the endurance of the automobile he con-

endurance of the automobile he considers buying.

"This, of course, is as it should be," Mr. Nelson continued, "for the length of a car's life and the cost of maintaining it are by far the most important factors in determining its final per-mile-cost to the owner.

"After submitting the 'Olds' engine to a series of accurate tests in the labortories of the General Motors company at Dayton, Ohio, the chief engineer summed up his report of the Oldsmobile Eight Model 47, as follows: The maximum horsepower developed was 63.5. When the dimensions of the motor (2.7.8 inch bore by 4.1-2 inch stroke) are considered, the power of this motor is nothing short of amazing. In fact, it has the highest horse-power per cubic inch displacement of any standard automobile engine in the United States.' Such a test report is enough to convince any one who is familiar with the principles of automobile engineering, that the 'Olds' motor marks a new forward step in real pulling power and speed range of engines. real pulling power and speed range of

engines.
"During a test run of 1000 miles "During a test run of 1000 miles in California recently, a model 47 light eight Oldsmobile maintained an average speed of 66 2-3 miles per hour. The only attention the car received was to supply it with oil and gas and a very little water. The bonnet was not lifted during the entire 1000 miles. In actual road service the Oldsmobile Eight has proven its great and urance in every way. We are, of endurance in every way. We are, of course, very proud of the wonderful achievements of the Oldsmobile."

LARGE MARKET **FOR MOTOR CAR**

of Vehicles

The United States can absorb twice the number of motor vehicles that are registered at the presen time, accord-ing to C. J. Nephier, of the Oakland Motor Car company.

"In the rural sections the automo-ie is a real necessity. The use of the automobile is a real necessity. The use of the automobile has been increased in these sections to a great extent by the improvement in roads. In fact good roads are responsible for the large number of automobiles in the great, wealthy agricultural states I have mentioned. bile is a real necessity.

curs, there would be a renewal of ap-proximately 2,500,000 cars yearly, basing the average life of a car as six years. This tremendous replacement alone would be another great stabilizing feature of the automobile indusTHE THRILL THAT COMES ONCE IN A LIFETIME



United States Can Absorb BRICK OR BLOCK AND FLEXIBLE FILLER MAKES BEST PAVEMENT

the prosperous agricultural communities. That is borne out by the motor density in such states as Iowa, California, the Dakotas and Nebraska.

"In the rural sections the automo-block, If we eliminate the water-block of the constitute an average of only bility is highly advantageous in meeting the heavy impact of modern training the heavy impact of mode

mentioned.

"It will not be far distant before 15,000,000 passenger and commercial cars will be in use. When this occurs, there would be a renewal of apprinciple which just now is attracting great deal of attention on the part of our highway engineers. I refer to the use of a flexible joint filler for brick and block pavements as against the rigid grout fillers formerly so

Motor Car company.

"If every state in the Union had the number of motor cars per capita that low has, there would be 20,000,000 passenger and commercial cars in use," reasons Mr. Nephler.
"Of course this depends upon a greater per capita wealth. Figures compiled contrasting personal income contrasting personal income four circles where many of the problems are and automobiles per capita in dicate that invariably the states show in ga large number of returns for personal income for tax likewise show a large per capita in early state of the original water-mobiles.

The increase in automobile purchase were founded and string for the problems of the

FLEXIBILITY NEEDED.

Such flexibility is an inherent characteristic of bituminous pavements been all too prevalent in the rapid and is imparted to brick and block development of our country highway

pavements are of the hot-mixed as-phalt types. The latest available information indicates that last year the structed approximated 68,000,000 square yards, which was greater than for any other type. Most of the stone block pavements constructed that year were filled with bituminous ma-

terial and about 60 per cent of the brick pavements were similarly filled. There are, it is true, many advo-cates of the all rigid monolithic types of construction and in certain sections such pavements predominated in last year's work. This is not true, however, of the country, as a whole. Those who favor rigid construction have constantly been obliged to increase the massiveness of design of such pavements and also the amount of reinforcement in an endeavor sucof reinforcement in an endeavor suc-cessfully to meet the destructive ac-tion of heavy traffic, while those who have favored the semi-flexible or flexible types have, in general, found that the old standards or flexible types have proven satisfactory. The all flexible types, surh as the blark hase payements so expensions of the standards or flexible base pavements so extensively adopted in our far western states appear to be the most highly resistant per inch of total thilkness, and may therefore be sonsidered the least massive and in this respect the most efficient of the heavy traffic pavements. TRAFFIC IMPACT.

It is probable that such pavements will be given considerable attention in the 1922 program of some of our eastern states owing to the remarkably satisfactory results obtained over a long period of years in the west. Many of these pavements are six inches or less in total thickness. What we have learned in the last few years about the destructive ef-fect of traffic impact and the resist-ance to impact offered by semi-flex-ible and flexible highway structures has a peculiar significance in connec-tion with a great economic problem, that of conserving our investment in old roads, particularly gravel and macadam, when it becomes necessary to adopt a higher type of wearing shrface. Prior to the careful inves-tigation of this important subject there existed a marked and growing tendency to discredit the use of old gravel and macadam roads for foungravel and macadam roads for foun-dations for the higher types and this in spite of many remarkable service records of macadam foundations. For example, in the city of New York a number of the most heavily traveled streets were constructed years ago on macadam foundations and some

are still giving satisfactory service. In 1890 Broadway, between Fifty-ninth and Seventy-ninth streets, was paved with asphalt over an old ma-IN UNITED STATES

IN UNITED ST

report on this type of brick construc-tion. All in all it appears that the old waterbound base is again coming CARRY RADIO

into its own. One reason for much of the former dissatisfaction for such bases was un-doubtedly due to a fault which has pavements when asphalt is used as a systems. I refer to inadequate prep-toint filler arations and drainage of our sub-Joint filler.

While in certain sections of the grades fostered by the false idea that country the experience of our cities the cost for such work would make appears to have been overlooked, it is the total cost prohibitive. Political fact that the flexible or semi-flex- pressure and popular demand for the the types of construction predominate rapid construction and the greatest in our country roads and if we conpossible mileage of improved roads in our country roads and if we consider the total mileage of state, county and municipal highways higher
than gravel and macadam considerably more than 50 per cent may be
to a basis of sixteen feet width, we
estimate that at least 45 per cent of
the mileage of the higher types or
pavements are of the higher types or
the work of the vertice and the procedure. the work of the various organizations

Two Kinds Of Cars Not Found in "Used Car" Columns

One kind is the car so new that it has not yet been fully tested out in

The other is the Hupmobile kind-in such sharp demand that it need not be advertised.

One reason there is a scarcity of used Hupmobiles, is the excellent, low-cost service they afford their original owners over a period of years. The owner believes, and with reason, that it is the part of wisdom for him to hold on to his Hupmobile.

It will place you under no obligation to 'phone for a demonstration at

Naisbitt Motor Co.

432 Twenty-fifth Street Phone 387. OGDEN, UTAH

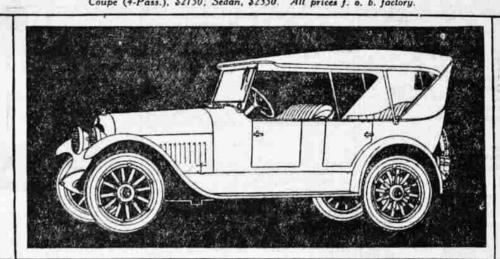
Studebaher

STUDEBAKER builds more six-cylinder cars than any other manufacturer because Studebaker builds them better. We can show you 84 definite points of superiority in the Special-Six over Studebaker's nearest competitor.

In times of close competition, merit wins. Today competition in automobiles is keener than it ever was, because people are buying more carefully than ever. Studebaker increased its sales 29% in 1921, though the industry. as a whole, showed a falling off of nearly 45%. 1922, up to May 1st, shows a gain in Studebaker production of 143% over the same period of 1921.

Studebaker sales records tell their own story. The buying public has declared for Studebaker supe-

Touring \$1475; Roadster (2-Pass.), \$1425; Roadster (4-Pass.), \$1475; Coupe (4-Pass.), \$2150; Sedan, \$2350. All prices f. o. b. factory.



R. T. MITCHELL CO.

2354 Hudson Ave.

Phone 331

MOVEMENT ALARI

STUDEBAKER YEAR

being correlated by the advisory board on highway research of the national research council. Coming into its own. Recently two Scattle motorcycle riders were employed by lumber interests to patrol

TEN MILLION CARS IN UNITED STATES and educating the amateur camper in forest fire prevention.

er conflagrations, the motorcycle is enough.

ANTI-CHRISTIAN forest roads and trails, teaching the doctrine of "put out your camp fires"

tensively with the greatest economy,

TO TEST MIXTURE.

ON MOTORCYCLE

If the mixture is suspected of being seeking favorable conditions for too rich, shut off the fuel in the breaking up of organized society, tank and open the throttle. If the working of Communistic ideas.

The protection against fires of the mixture passing into the cylinders is The leaders of this anti-Chris great forests of the Pacific north-west is a tremendously important mat-as the level of the gasoline in the float ter to federal and state officials and chamber is lowered, since this opera-versity; Wang Chaoming, secretar

to private owners of timber as well.

The vast tracts of virgin timber in the Puget Sound basin represents billions in wealth.

Forest fire is the great menace to this immense treasure-house, and in reducing the danger hazard of time.

tools in the hands of leaders who

a like nature held in this country, students are declared to be unconsc

The Tire with the Wider and Thicker Tread

If You Use Tires You Know This---

The cord or fabric in a tire can deliver miles only so long as a rubber tread protects it.

Clearly, a wider and thicker tread -with more rubber in it-wears longer and gives the inside fabric extra protection.

It's perfectly plain, then, why you are getting more miles from Gates Super-Tread Tires. They have a wider and

thicker rubber tread.

NOW THE GREATEST AUTOMOBILE VALUE IN AMERICA

Today's Overland: 25 miles to the gallon; all-steel

body; baked enamel finish; 130-inch spring base

TERE'S a car that makes

a friend of you, from

the first moment you see it. Eager, willing, on the job,

sparing you tire and gas

money, considerate of your

BROWNING AUTO CO.

2450 Grant Ave.

comfort.

Phone 2281